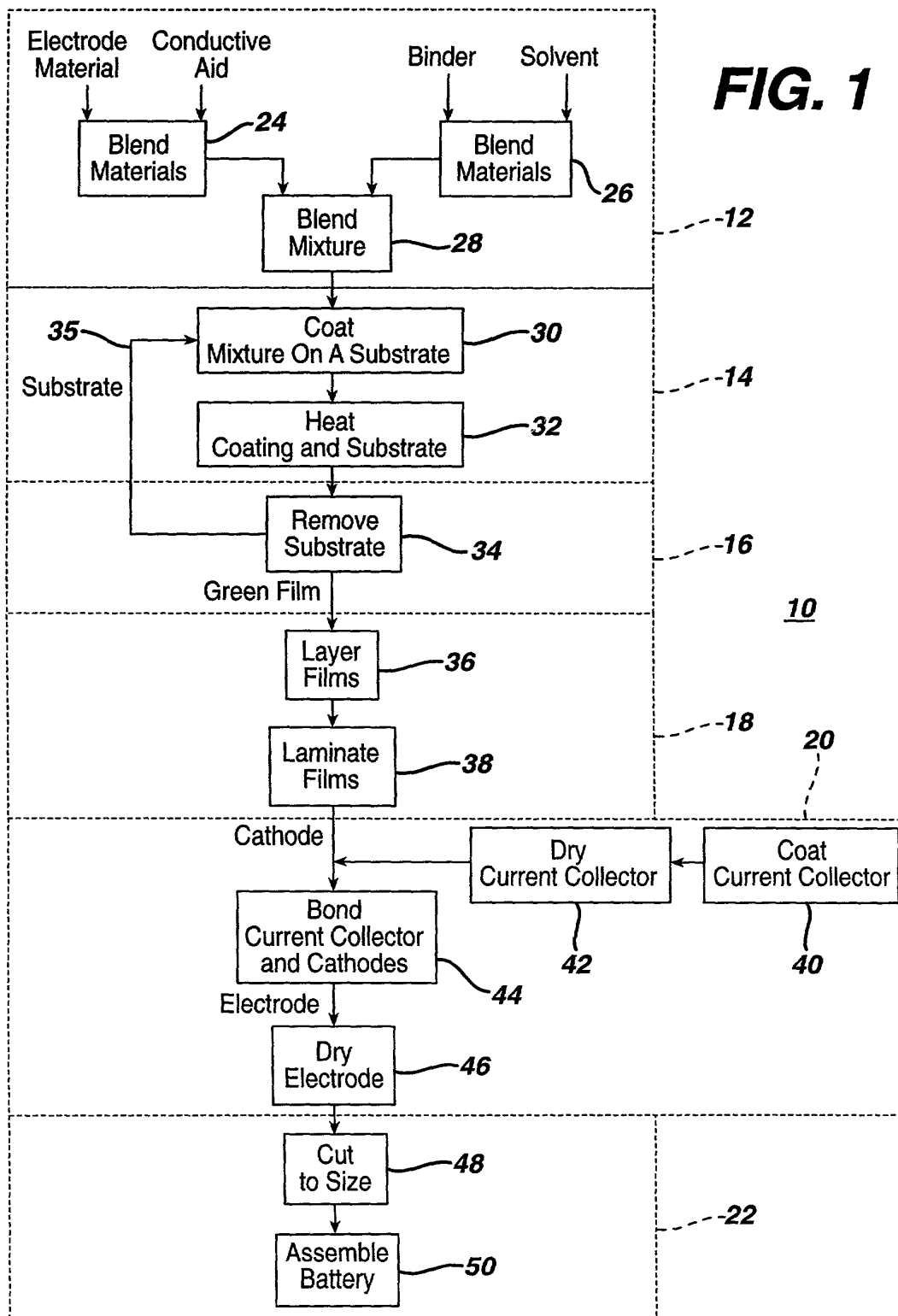
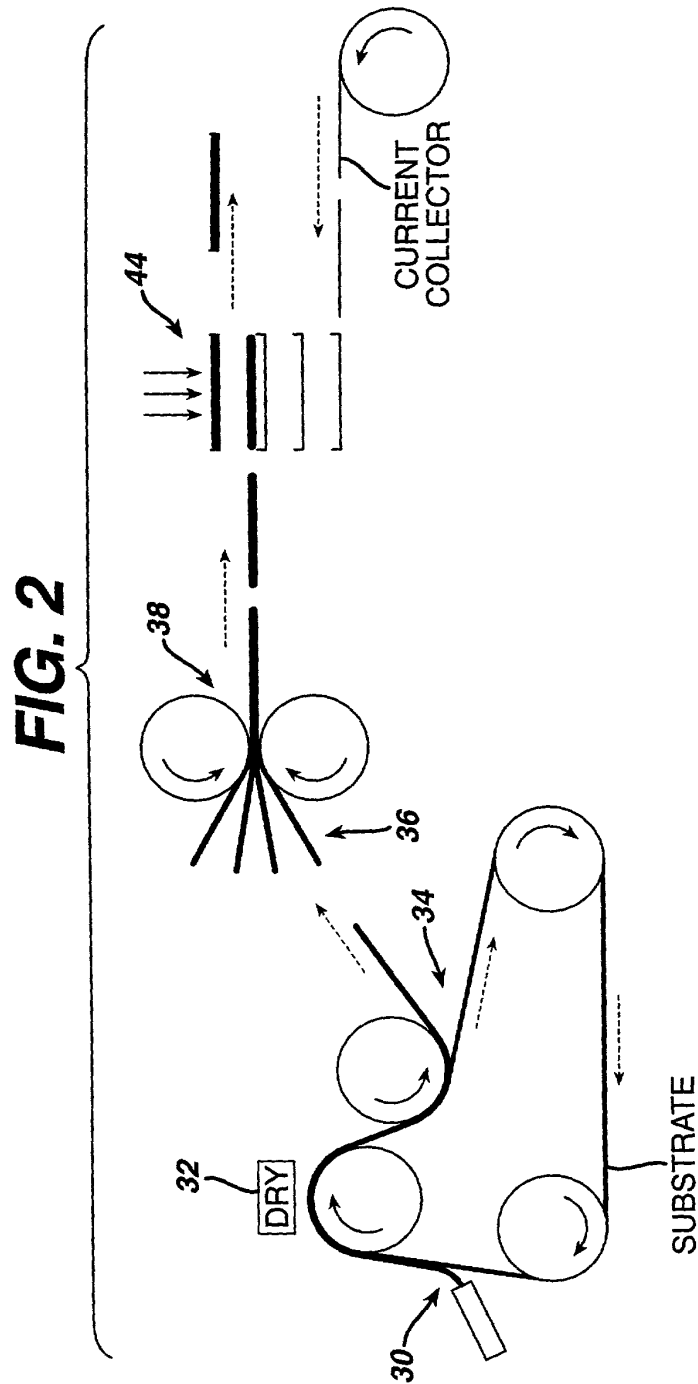


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**FIG. 1**

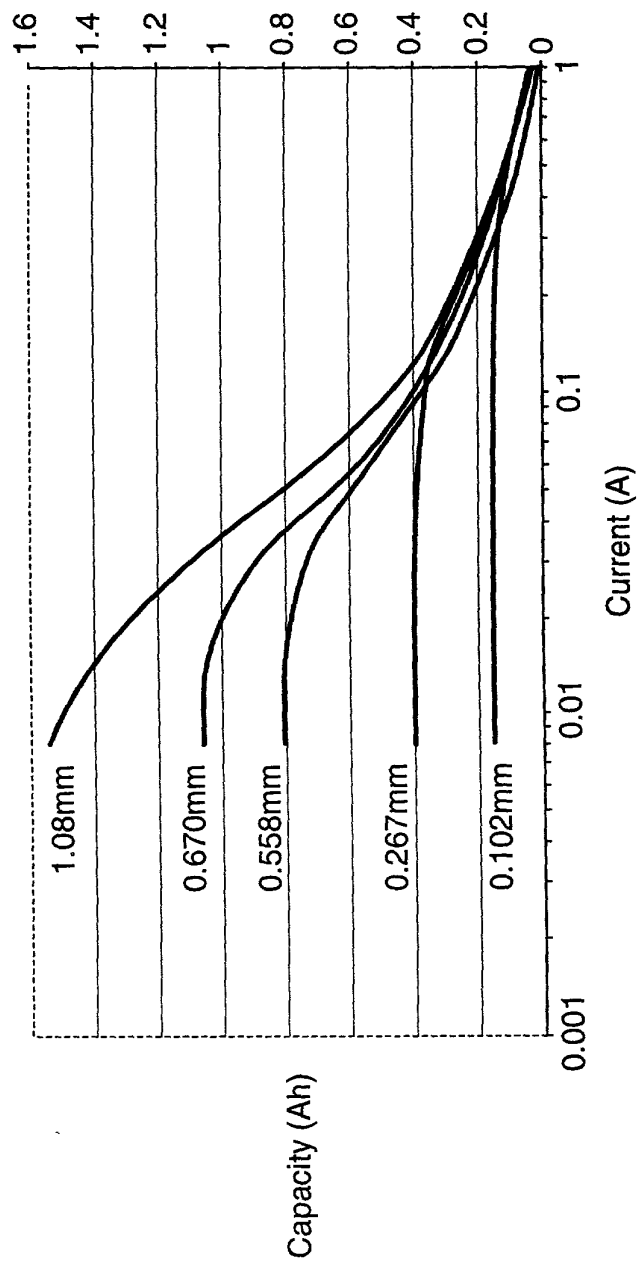


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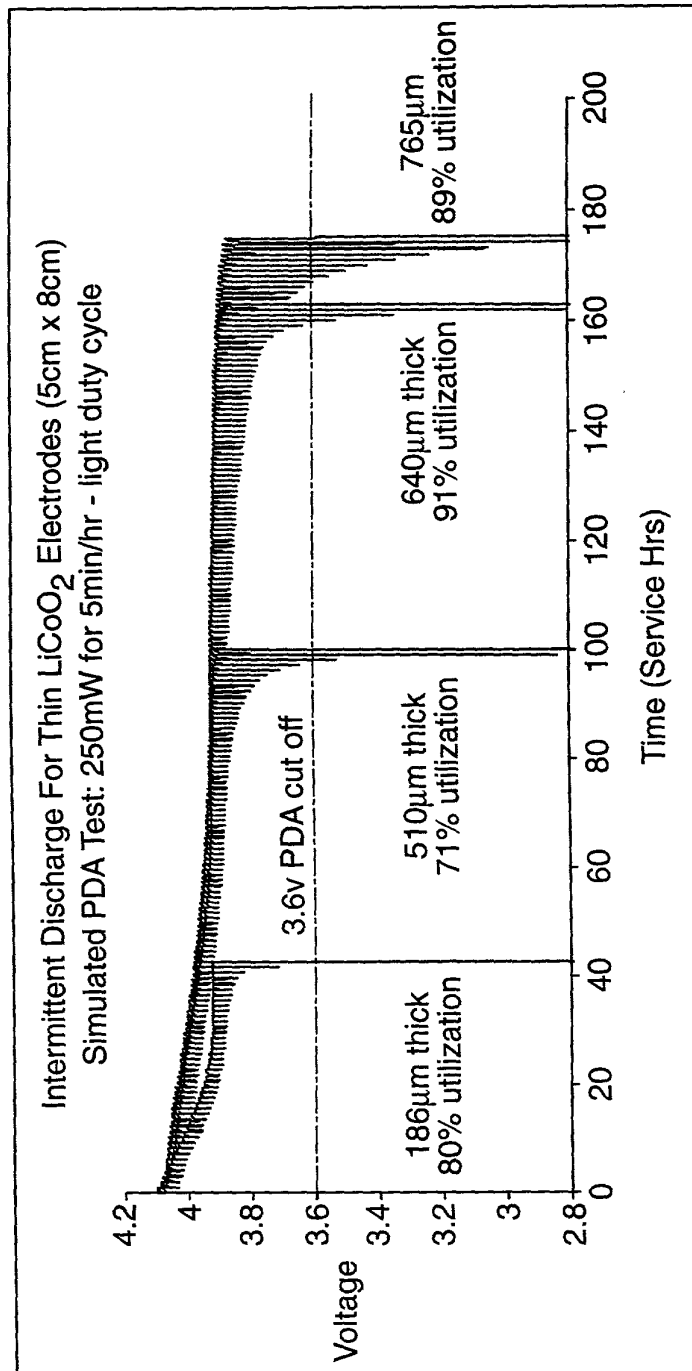
**FIG. 3**



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**FIG. 4**

**PDA Performance**  
**Intermittent Drain @ 62 mA**  
**LiCoO<sub>2</sub> system**



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**FIG. 5**

Cell	Binder Wt%	Cathode Thickness (mm)	Bulk Porosity (%)	Charge			Discharge
				Current Density (mA/cm <sup>2</sup> )	Charge Capacity (mAh/g)	Service Hours to 1.8V @250 mW PDA	
A1	4.0	0.810	27.4	0.40	125	203	Energy Density to 1.8V Cutoff (mAh/g) [efficiency] 116 [93%]
B1	4.9	0.806	25.8	0.38	132	203	113 [86%]
B2	4.9	0.812	25.9	0.38	121	206	120 [99%]
C1	5.8	0.796	25.0	0.39	123	190	114 [93%]
C2	5.8	0.789	24.9	0.38	110	182	106 [96%]

**FIG. 6**

Cell	Electrode Thickness (mm)	Current Density (mA/cm <sup>2</sup> )	Charge Capacity (mAh/g)	Bulk Porosity (%)	Service Hours @250 mW PDA	mAh/r to Cutoff
1	0.173	0.37	135	21.1	42	108
2	0.181	0.37	134	24.3	40	101
3	0.483	0.41	130	21.0	100	94
4	0.599	0.37	132	21.6	177	120
5	0.734	0.39	122	23.1	175	112

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## FIG. 7

Cell	Cathode Thickness (mm)	Current (mA)	Power (mW)
A	.102	240	912
B	0.267	160	608
C	0.558	40	152
D	0.667	35	133
E	0.700	25	95
F	1.08	21	80